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(71) Applicant and

(72) Inventor: DE LA CRUZ, Moises [US/US]; 7895 South
68th Street Court, Cottage Grove, MN 55016 (US).

(74) Agents: BOHN, David, C. et al.; Westman, Champlin &
Kelly, P.A., Suite 1600 - International Centre, 900 Second
Avenue South, Minneapolis, MN 55402-3319 (US).

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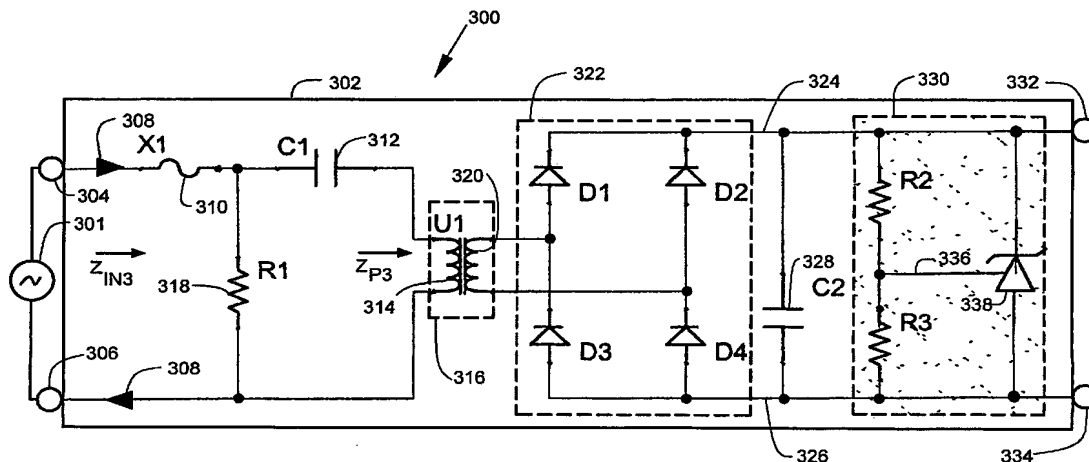
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ning of each regular issue of the PCT Gazette.

(54) Title: AC TO DC CONVERTER CIRCUIT



(57) Abstract: An AC to DC converter circuit (300) includes a transformer (316) having primary (314) and secondary (320) windings, a rectifier bridge (322) coupled to the secondary winding, a DC filter capacitor (328) coupled to the rectifier bridge, a voltage regulator (330) coupled to the DC filter capacitor and to DC output contacts (332, 334). The converter circuit includes an AC reactance (312) coupled in a series circuit with the primary winding and AC input contacts (304, 306). The AC reactance limits AC excitation voltage at the primary winding to less than the AC line voltage.